

FIG. 1

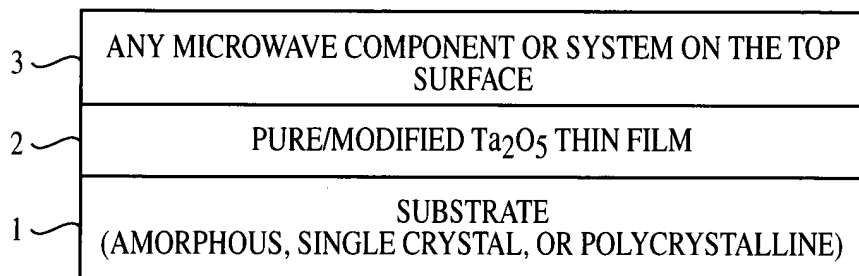


FIG. 2(a)

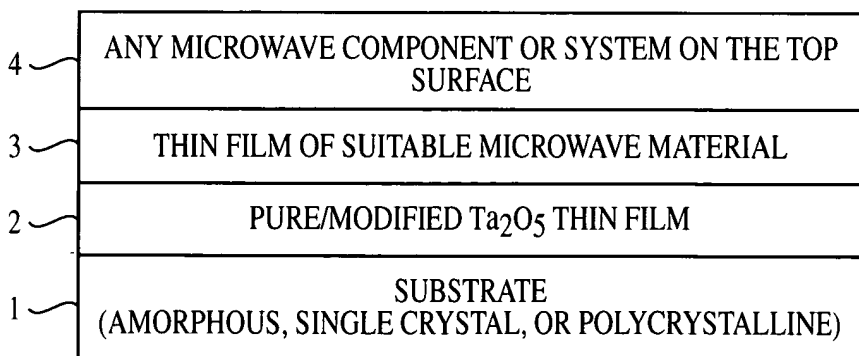


FIG. 2(b)

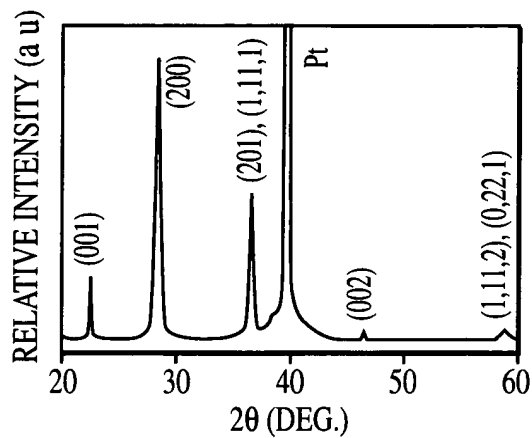


FIG. 3

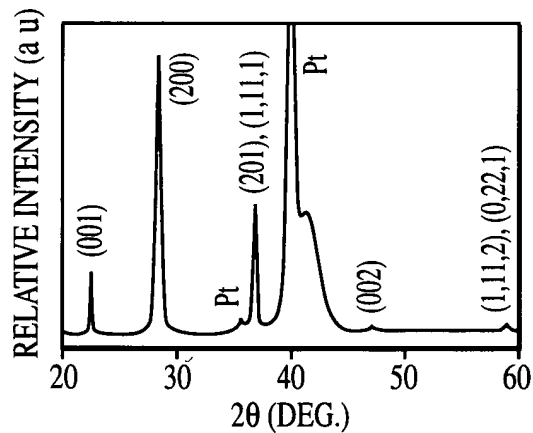


FIG. 4

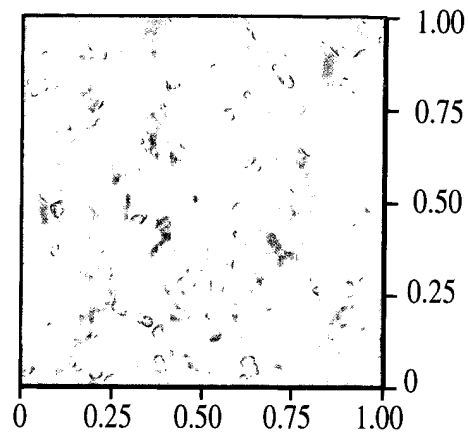


FIG. 5

0.9Ta ₂ O ₅ -0.1Al ₂ O ₃ THIN FILMS	
DIELECTRIC CONSTANT	42.8
DISSIPATION FACTOR	0.005
CHARGE STORAGE DENSITY	18.9 fC/μm ² (AT 0.5 MV/cm)
LEAKAGE CURRENT	<10 ⁻⁹ A/cm ² (AT 0.5 MV/cm)
DENSITY	(AT 0.5 MV/cm)
TEMPERATURE COEFFICIENT	-20 ppm/°C
OF CAPACITANCE	(RANGE 25-125 °C)
BIAS STABILITY	0.4%
OF CAPACITANCE	(UP to 1 MV/cm)

FIG. 6